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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,159	06/26/2007	Carsten Hopf	50125/113001	5292
21559 CLARK & ELF	7590 07/02/2009 BING LLP	009	EXAMINER	
101 FEDERAL	STREET		WANG, CHANG YU	
BOSTON, MA 02110			ART UNIT	PAPER NUMBER
			1649	
			NOTIFICATION DATE	DELIVERY MODE
			07/02/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentadministrator@clarkelbing.com

Office Action Summary		Application No.	Applicant(s)				
		10/587,159	HOPF ET AL.				
		Examiner	Art Unit				
		Chang-Yu Wang	1649				
Period fo	The MAILING DATE of this communication ap r Reply	pears on the cover sheet with	the correspondence a	ddress			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLEHEVER IS LONGER, FROM THE MAILING Ensions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute ply received by the Office later than three months after the mailing departed term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 136(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS e, cause the application to become ABANI	TION. be timely filed from the mailing date of this of DONED (35 U.S.C. § 133).				
Status							
	Responsive to communication(s) filed on 25 o	luly 2006					
·		s action is non-final.					
′=	, _		nrosecution as to th	e merits is			
<u>ا ا</u> ر	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
D::4	·	en parte quayre, 1000 c.b. 1	1, 100 0.0. 210.				
	on of Claims						
	Claim(s) <u>1-12</u> is/are pending in the application						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
•	Claim(s) is/are allowed.						
6)□	6) Claim(s) is/are rejected.						
-	Claim(s) is/are objected to.						
8)🖂	Claim(s) <u>1-12</u> are subject to restriction and/or	election requirement.					
Applicati	on Papers						
9)□	The specification is objected to by the Examin	er.					
-	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notic 3) Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	Paper No(s)/N	nmary (PTO-413) Iail Date mal Patent Application				

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Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-6, drawn to a method for treating or preventing a neurodegenerative disease by a GPR49-interacting molecule.

Group II, claim(s) 7-10, drawn to a method for identifying a gamma-secretase and/or a beta-secretase modulator.

Group III, claim(s) 11-12, drawn to a method for preparing a pharmaceutical composition for the treatment of neurodegenerative diseases.

2. The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Group I is directed to a technical feature of a method for treating or preventing a neurodegenerative disease by a GPR49-interacting molecule. Group II is directed to a technical feature of a method for identifying a gamma-secretase and/or a beta-secretase modulator. Group III is directed to a technical feature of a method for preparing a pharmaceutical composition for the treatment of neurodegenerative diseases.

Therefore, the above Inventions do not share a common special technical feature as they comprise different steps and utilize different products, which demonstrates that

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each method has a different mode of operation and use of structurally and functionally divergent materials. For example, the method for treating patients with a neurodegenerative disease does not have a same corresponding technical feature as that in a method for preparing a pharmaceutical composition or that in a method for identifying a beta/gamma-secretase modulator because the patients in the method of treatment are not required by the method preparing a pharmaceutical composition or screening for a modulator. Accordingly, Groups I-III are not so linked by the same or a corresponding special technical feature within meaning of PCT Rule 13.1 so as to form a single general inventive concept.

Species Election

- 3. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.
 - i. If Group I is elected, Applicant is required under PCT Rule 13.2 to elect a single disclosed species of GPR49-inhibitor selected from A) antibodies, B) antisense oligos/siRNA, C) low molecular weight molecule (LMWs), or D) binding peptides/aptamers/ribozymes/peptidomimetics recited in claim 3 for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

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- 4. The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: The technical features of these species are different because each specific species differs with respect to its composition and structures. Consequently the responses to different biomolecules are also different in these different types of cells. Therefore, these species do not share a common corresponding technical feature; and thus lack unity of invention.
- 5. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be

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traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143). In order to be fully responsive, Applicant is required to elect a single group from designated Groups I-III and a single species from group i that is applicable as set forth above to which the claims will be restricted, even though the requirement is traversed. The subject matter for examination will be restricted to the extent of the subject matter of the elected group and species.

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7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

8. Any inquiry of a general nature or relating to the status of this general application should be directed to the Group receptionist whose telephone number is (571) 272-1600.

Papers relating to this application may be submitted to Technology Center 1600, Group 1649 by facsimile transmission. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). Should applicant wish to FAX a response, the current FAX number for Group 1600 is (571) 273-8300.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chang-Yu Wang whose telephone number is (571) 272-4521. The examiner can normally be reached on Monday-Thursday and every other Friday from 8:30 AM to 5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Chan, can be reached at (571) 272-0841.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Christine J Saoud/ Primary Examiner, Art Unit 1647

/CYW/ Chang-Yu Wang, Ph.D. June 14, 2009